

Work Order ID 164272

Monday, July 17, 2017 8:54:30 AM

164272

Page 1

Item ID: D3295-041 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Replacement Interior Window for -111
Start Date: 7/20/2017 Start Qty: 4.00 ***4*** Cust Item ID:
Required Date: 7/27/2017 Req'd Qty: 4.00 ***4*** Customer:

Reference:

Approvals: Process Plan: DAS 21 8-89 Date: **JUL 17 2017** Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3295	E								

100

0.00

100

Waterjet

FLOW CNC Waterjet

FLOW WATER JET

Memo

0.57

ENSURE PLASTIC BLOCK ARE ON TABLE BEFORE CUTTING PARTS

1-Cut D3295-1 as per Dwg D3295

Dwg Rev: EProg Rev: E

2-Remove plastic, clean and wrap in saran wrap.

3-Deburr if necessary

110

QC2- Inspect parts off machine FAI/FAIB

0.00

110

QC

Quality Control

Memo

0.04

(4)

07/17/08/17

(4)

07/17/08/17

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____							
Misidentified	☐	Past Due	☐								

DQA:

Date: SEPT 21 2017

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed BAHDate: SEP 11 2017Work Order update only ☐

Work Order: <u>164 272</u> Part No. <u>D3295-JK1</u> NCR No. <u>17-6609</u>		DISPOSITION Rework ☐ Scrap ☒ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Cross tube ☐ Water Jet ☐ Engineering ☐ Machining ☐ Small Fab ☒ Prod. Eng. Coord. ☐ Quality ☐ Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐ Large Fab ☐ Composite ☐ Supplier ☐			
Date: <u>17-08-31</u>		Step #: <u>130</u>		QTY Effective: <u>1</u>		MRB (QSI042) Approval <u>PD 17-09-06</u>	
Description Work Order Deviation				Disposition			
One window was scratch in the middle.				SCRAP + Destroy			
				Completed By <u>17/08/30</u> <u>DAS</u> <u>36</u> <u>9-89</u>			
				Lead hand / Supervisor Approval Verification <u>DAS</u> <u>30</u> <u>9-89</u> <u>17-08-30</u>			
				QC / QA Coordinator Approval <u>DAS</u> <u>9-89</u>			
				AUG 31 2017			
Root Cause Environment ☐ No Re-verification ☐ Design ☐ Operator ☐ Doc/Data ☐ Offset/Setup ☐ Equip/Tooling ☐ Supplier ☐ Handling/Pre ☒ Training ☐ Material ☐ Use for Testing ☐ Internal Transport ☐ Poor Information ☐ Tribal Knowledge ☐ Rushing ☐ LOA ☐ Product Improvement ☐ Substation ☐ Process Improvement ☐ Past Expiry Date ☐ Manufacturing Process ☐ Misidentified ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Temperature/Cure ☐ Power Loss/Surge ☐ Positioned Wrong ☐ Bending ☐ Set-up ☐ Folio/Program ☐ Outside Dimensions ☐ Centre Not Concentric ☐ BOM/Route ☐ Grain ☐ Over/Under tolerance ☐ Cracks ☐ Broken/Damage/Defect ☒ Weld ☐ Part Incorrect ☐ Crimp/Kink/Ripple/Wave ☐ Inspection Incomplete/Unqualified ☐ Wrong Stock Pulled ☐ Part Lost/Missing ☐ Cuffs ☐ Contamination ☐ Out of Sequence ☐ Part Moved ☐ Crushing ☐ Countersink ☐ Off-set ☐ Drawing ☐ Heat Treat ☐ Cut Too Short ☐ Misabeled ☐ Finish ☐ Wave/Twist in Tube ☐ Instructions Incomplete/Unclear ☐ Fit/Function ☐ Misread ☐ Marks/Chatter ☐ Drill Holes ☐ Misaligned/off center ☐ Turning Sequence ☐					
		OTHER :					

Work Order ID 164272

Monday, July 17, 2017 8:54:30 AM

164272

Page 3

Item ID: D3295-041

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Replacement Interior Window for -111

Start Date: 7/20/2017 Start Qty: 4.00

4

Cust Item ID:

Required Date: 7/27/2017 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start ***NR1***

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

150

Identify as per dwg & Stock Location: **JH36**

0.00

150

Packaging

Memo

0.04

Packaging

3 **3****DAS**
6
9-89**SEP 01 2017**

160

QC21- Final Inspection - Work Order Release

0.00

160

QC

Memo

0.40

Quality Control

DAS
21
9-89**SEP 01 2017****17/9/16** **JH**

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Monday, July 17, 2017 8:54:34 AM

Page 1

Work Order ID: 164272

164272

Parent Item: D3295-041

D3295-041

Parent Item Name: Replacement Interior Window for -111

Start Date: 7/20/2017

Required Date: 7/27/2017

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP C05.06.20D3295-1 no longer made in-houseKJ/JLM
IPP Rev:D Added DT8822 07-03-20 JLM
IPP Rev:E Returned Manufacturing In House 07-06-26 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MLEXS.125-9034-01		Purchased	No			100	sf	36.3400	1.24	5.221053			

MI FXS 125-9034-01

1/8" 9034 Lexan Sheet (Clear)

**

07/17/08/18

Location

Loc Qty

Loc Code

MAT019

10.24

m135241

10.24

RM

26.1

m135485

26.1

D2728-1

Manufactured

Yes

140

Each

-4.0000

1

4

D2728-1

Dart Logo Label Small

**

5.5

17/08/30

DAS

36

9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

DART AEROSPACE LTD		Work Order:	164272
Description: Window		Part Number:	D3295
Inspection Dwg: D3295 Rev: E		Page 1 of 1	

FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.156	+0.005/-0.001	Ø.158	1		V: 0.002	
17.13	+/-0.030	17.13	1		Tap	
10.43	+/-0.030	10.43	1		V: 0.001	
14.35	+/-0.030	14.35	1			
8.98	+/-0.030	8.98	1			
0.625	+/-0.010	0.628	1			
7.109	+/-0.010	7.110	1			
15.845	+/-0.010	15.845	1			
2.308	+/-0.010	2.309	1			
5.420	+/-0.010	5.419	1			
9.402	+/-0.010	9.400	1			
1.312	+/-0.010	1.310	1			
6.260	+/-0.010	6.259	1			
12.520	+/-0.010	12.520	1			
0.313	+/-0.010	0.311	1			
3.750	+/-0.010	3.749	1			
8.150	+/-0.010	8.149	1			
9.006	+/-0.010	9.00	1			
0.125	+/-0.010	0.123	1			

JAG
38

Measured by:	ac	Audited by:	9-89	Preliminary Approval:	
Date:	17/08/17	Date:	AUG 21 2017	Date:	

Rev	Date	Change	Revised by	Approved
A	07.11.23	New Issue P/O D3295-041	KJ/EC/DD	
B	13.02.27	Dwg Rev updated	KJ	

ITEM	QTY -041	QTY -041B	P/N	DESCRIPTION
	X		D3295-041	FLOOR WINDOW
		X	D3295-041B	FLOOR WINDOW, BLANK
1	1		D3295-1	WINDOW
2		1	D3295-1B	WINDOW, BLANK
3	1	1	D2728-1	DECAL

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 164272 MJS
170717

RELEASED
2012-11-21

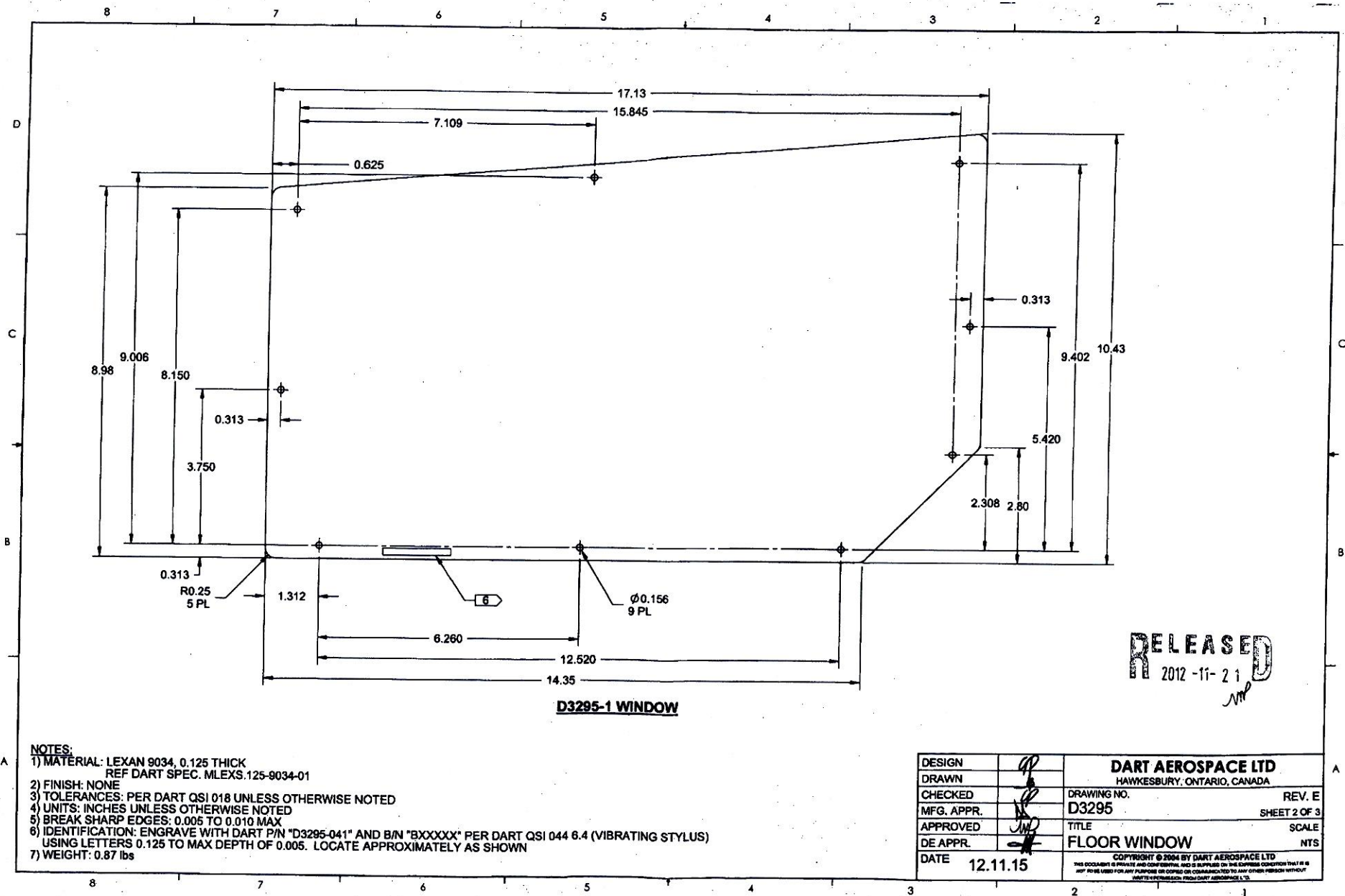
D3295-041 FLOOR WINDOW

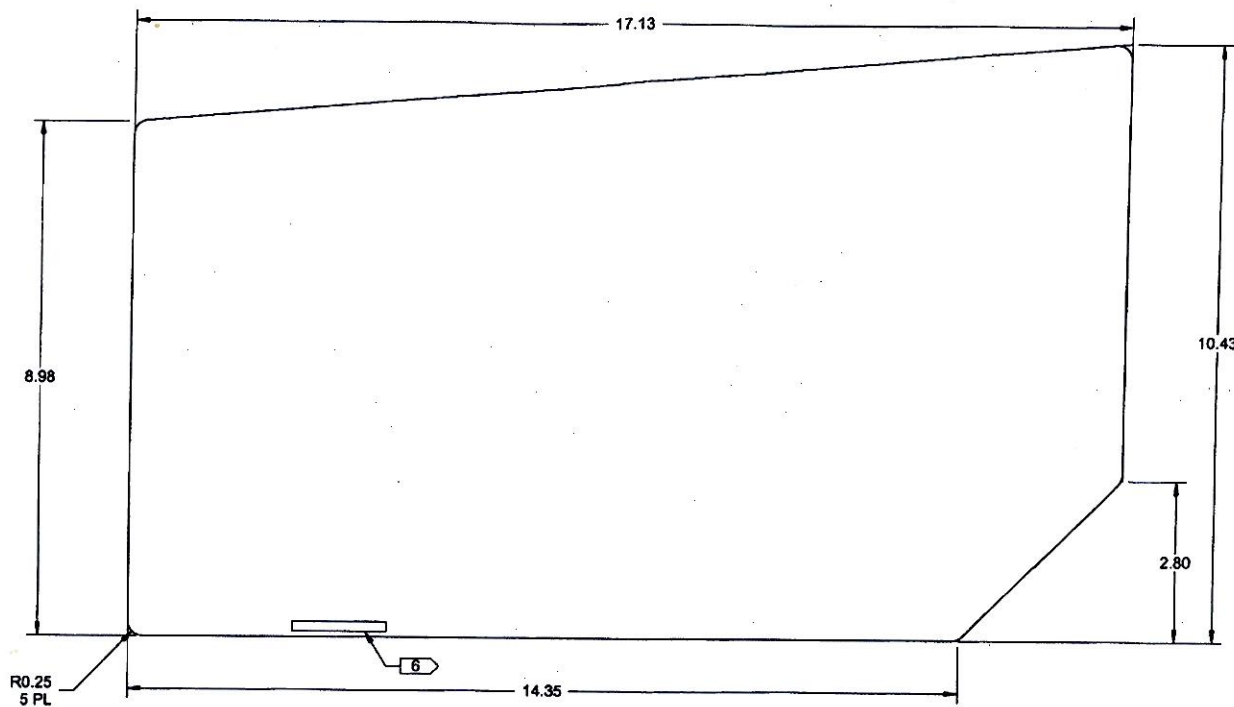
D3295-041B FLOOR WINDOW, BLANK

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) N/A
- 6) ENSURE SURFACE IS FREE OF DIRT/GREASE PRIOR TO APPLICATION OF SELF-ADHESIVE DECAL
- 7) WEIGHT: D3295-041/-041B = 0.87 lbs

REV.	DESCRIPTION	BY	DATE
E	ADD D3295-041BA-1B. REF. PAR12-223.	MB	12.11.15
D	REVISE MATERIAL TO LEXAN 8034 FROM POLYCAST ACRYLIC SHEET. ZONE A8 SH 2 ADD MISSING DIMENSION PER NCR 247. ZONE C3 SH 2 REFORMAT DRAWING	MP	07.11.07
C	CHANGE TEMPLATE # TO DT8822	SSH	07.02.21
B	UPDATE MATERIAL PER NCR 029	CP	06.04.13
A	NEW ISSUE	CP	04.06.28
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D3295 TITLE FLOOR WINDOW COPYRIGHT © 2004 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY FORM OR BY ANY MEANS WITHOUT PERMISSION FROM DART AEROSPACE LTD	
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.		REV. E	SHEET 1 OF 3
DATE	12.11.15	SCALE	NTS





D3295-1B WINDOW

RELEASED
2012-11-21
JMP

NOTES:

- 1) MATERIAL: LEXAN 9034, 0.125 THICK
REF DART SPEC. MLEXS.125-9034-01
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: ENGRAVE WITH DART P/N "D3295-041B" AND B/N "BXXXXX" PER DART QSI 044 6.4 (VIBRATING STYLUS)
USING LETTERS 0.125 TO MAX DEPTH OF 0.005. LOCATE APPROXIMATELY AS SHOWN
- 7) WEIGHT: 0.87 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. E
MFG. APPR.		D3295	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		FLOOR WINDOW	NTS
DATE	12.11.15	COPYRIGHT © 2004 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	